

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

VIXS052

First Inventor

Paul Morris Astrachan

Title

A FAST SIGNAL DETECTION PROCESS

Express Mail Label No.

EL979645177US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 202311. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(submit an original and a duplicate for fee processing)2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.3. ☒ Specification [Total Pages 30]  
(preferred arrangement set forth below)  
-Descriptive title of the invention  
-Cross Reference to Related Applications  
-Statement Regarding Fed sponsored R&D  
-Reference to sequence listing, a table,  
or a computer program listing appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description  
-Claim(s)  
-Abstract of the Disclosure4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages 6]5. Oath or Declaration [Total Pages 2]a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
b. ☐ (for continuation/divisional with Box 18 completed)i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ paperc. ☐ Statements verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**9. ☒ Assignment Papers (cover sheet & documents(s))10. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney (2)  
(when there is an assignee)11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.17. ☐ Other: \_\_\_\_\_18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

34-399

insert customer no. or attach bar code label here

or ☐ Correspondence address below

Name Timothy W. Markison

Address P.O. Box 160727

City Austin

State TX

Zip Code 78716-0727

Country USA

Telephone (512) 342-0612

FAX (512) 342-1674

Name (Print/Type) Timothy W. Markison

Registration No. (Atty/Agent)

33,534

Signature



Date

10/10/03

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

16834 U.S. PTO  
10/683955

10/10/03

**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT (\$)** \$626.00**Complete if Known**

Application Number

Filing Date

First Named Inventor

Paul Morris Astrachan

Examiner Name

Group Art Unit

Atty Docket No.

VIXS052

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

50-1835

Deposit  
Account  
Name

VIXS, Inc.

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

- ☒
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Fee Description

Utility filing fee

Design filing fee

Plant filing fee

Reissue filing fee

Provisional filing fee

Fee Paid

385.00

**SUBTOTAL (1) (\$)** \$385.00**2. EXTRA CLAIM FEES**

Fee From Below

Extra Claims

Fee Paid

Total Claims

28

-20\*\*

8

X

9

=

72.00

Independent

Claims

6

-3\*\*

3

X

43

=

129.00

Multiple Dependent

=

=

Fee Description

Claims in excess of 20

Independent claims in excess of 3

\*\*Reissue independent claims  
over original patent\*\*Reissue claims in excess of 20  
and over original patent**SUBTOTAL (2) (\$)** 201.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3.. ADDITIONAL FEES****Fee Description**

Surcharge-late filing fee or oath

Surcharge-late provisional filing fee or  
or cover sheet

Non-english specifications

For filing a request for ex parte reexamination

Requesting publication of SIR prior to  
Examiner actionRequesting publication of SIR after  
Examiner action

Extension for reply within first month

Extension for reply within second month

Extension for reply within third month

Extension for reply within fourth month

Extension for reply within fifth month

Notice of Appeal

Filing a brief in support of appeal

Request for oral hearing

Petition to institute a public use proceeding

Petition to revive - unavoidable

Petition to revive unintentional

Utility Issue Fee (or reissue)

Design Issue Fee

Plant Issue Fee

Petitions to the Commissioner

Processing fee under 37 CFR 1.17(q)

Submissions of Information Disclosure Stmt

Recording each patent assignment per  
property (times number of properties)

\$40.00

Filing a submission after final rejection  
(37 CFR 1.129(a))For each additional invention to be  
examined (37 CFR 1.129(b))

Request for Continued Examination (RCE)

Request for expedited Examination of design applicat

Other fee (specify)

Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

\$40.00

**SUBMITTED BY**

Complete (if applicable)

Name (Print Type)

Timothy W. Markison

Registration No.  
(Attorney Agent)

33,534

Telephone

(512) 342-0612

Signature

Date

10/10/03